



131

SEQUENCE LISTING

<110> Nicklin, Martin
Barton, Jenny

<120> IL-1L1 GENE AND POLYPEPTIDE PRODUCTS

<130> MSA-021.01

<140> 09/617,720

<141> 2000-07-17

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<170> PatentIn Ver. 2.1

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35 40 45
Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly
50 55 60
Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu
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Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys
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35 40 45
Ala Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly
50 55 60
Ser Gln Cys Leu Ser Cys Gly Thr Glu Lys Gly Pro Ile Leu Lys Leu
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Ala Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg Leu
35 40 45

Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly Ser Gln
50 55 60

Cys Leu Ser Cys Gly Pro Leu Leu Glu Pro Val Asn Ile Met Glu Leu
65 70 75 80

Tyr Leu Gly Ala Lys Glu Ser Lys Ser Phe Thr Phe Tyr Arg Arg Asp
85 90 95

Met Gly Leu Thr Ser Ser Phe Glu Ser Ala Ala Tyr Pro Gly Trp Phe
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Lys Ile Asp Val Val Pro Ile Glu Pro His Ala Leu Phe Leu Gly Ile
35 40 45

His Gly Gly Lys Met Cys Leu Ser Cys Val Lys Ser Gly Asp Glu Thr
50 55 60

Arg Leu Gln Leu Glu Ala Val Asn Ile Thr Asp Leu Ser Glu Asn Arg
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Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg Ser Asp Ser Gly Pro Thr
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Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Ala
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<213> Artificial Sequence

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polypeptide sequence

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Ala Gly Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg
35 40 45
Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly
50 55 60
Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu
65 70 75 80
Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys
85 90 95
Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu
100 105 110
Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp
115 120 125
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35 40 45
Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly Ser
50 55 60
Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu Glu
65 70 75 80

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Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys Ser
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Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu Ser
100 105 110

Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp Gln
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Pro Val Arg Leu Thr Gln Leu Pro Glu Asn Gly Gly Trp Asn Ala Pro
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IBR polypeptide

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35 40 45

Asn Arg Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln
50 55 60

Gly Gly Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu
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Thr Leu Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu
85 90 95

Ser Lys Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser
100 105 110

Phe Glu Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu
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Ala Asp Gln Pro Val Arg Leu Thr Gln Leu Pro Glu Asn Gly Gly Trp
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Asn Ala Pro Ile Thr Asp Phe Tyr Phe Gln Gln Cys Asp
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 50 55 60
 Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu
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 35 40 45
 Val Pro Ile Glu Pro His Ala Leu Phe Leu Gly Ile His Gly Gly Lys
 50 55 60
 Met Cys Leu Ser Cys Val Lys Ser Gly Asp Glu Thr Arg Leu Gln Leu
 65 70 75 80
 Glu Ala Val Asn Ile Thr Asp Leu Ser Glu Asn Arg Lys Gln Asp Lys
 85 90 95
 Arg Phe Ala Phe Ile Arg Ser Asp Ser Gly Pro Thr Thr Ser Phe Glu
 100 105 110
 Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Ala Met Glu Ala Asp
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 Lys Phe Tyr Phe Gln Glu Asp Glu
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 Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys Glu
 50 55 60
 Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp Lys Pro Thr Leu
 65 70 75 80
 Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys Lys Lys Met Glu
 85 90 95
 Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn Lys Leu Glu Phe
 100 105 110

147
17

Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala Glu
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Asp Phe Thr Met Gln Phe Val Ser Ser
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Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu
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Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
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Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
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Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
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Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
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Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
115 120 125

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148
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Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
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Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
 35 40 45

Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
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Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
 65 70 75 80

Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
 85 90 95

Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
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Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
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 peptide sequence

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<222> (1)..(6)

<223> Xaa represents a variable amino acid

<400> 48

Leu Lys Xaa Leu Xaa Leu
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<210> 49

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<212> PRT

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<223> Description of Artificial Sequence: Consensus
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Ile Thr Asp Phe Xaa Xaa Gln
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peptide sequence

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Xaa Xaa Glu Ala Asp Gln Pro Val
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<211> 4

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Binding domain

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Phe Gly Phe Arg
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<211> 13

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: N-terminal
extension

<400> 54

Gly Ser Ser Gly Leu Arg Arg Ala Ser Leu Gly Ser Ser
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Sub
CI